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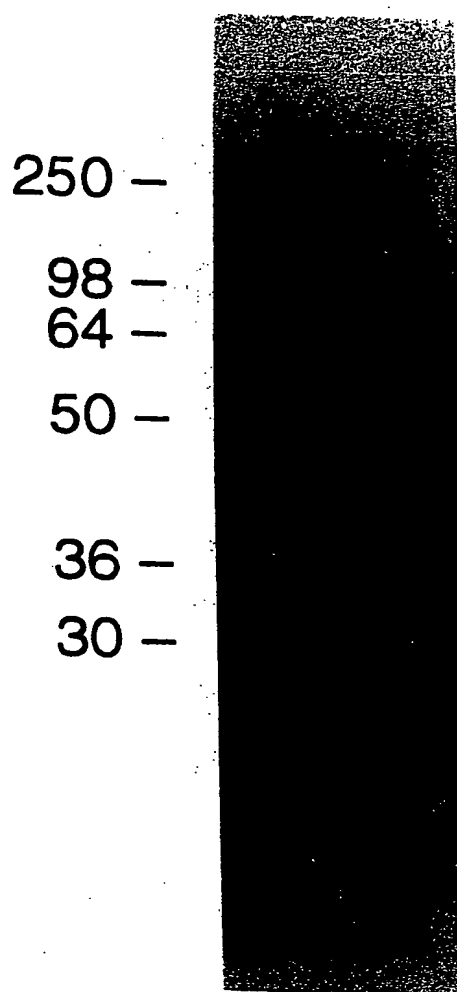


FIG. 1

GGGCAAACCTCTCCCCCGGATTTATATGGCAAAGGGGAACTTTGGC  
CCGTATTCAAGCGCCACGGGTTTTGGGGCGAATGAATTTTTTCGTTCCG  
GAAAAAGTAATCCCCGGGAACGTAGGTATCGGTTTCATAGGCTCGCCA  
AATGGGATATAGGTGGAAGGTAAAAAACTGAGCCAAGCAAAGGATAG  
AGAAGTCTTGTAATCATCGCAGGTTAAAGGGGGATGTTATTTTAGCCTG  
CAAATAGTGAATTATTGGATCCTGTAAAGAGAAAAGGACGAATGCGCTG  
AAGATAAGAACATTTATTGATATTAAATTATTAATTTTTTATGAAGCGGA  
GTAATTAATTTTATCTCTCAGCTTTTGTGTGATGCAAACGTCTTTCATA  
AGTTCTTTCTTCAATGATTCTAGCTTATTCTTGCTGCTCTTTAAATGGG  
GGGGGATATGCAGCAGAAATCATGGTTCTCAAGGAATTTACGATGGGGA  
GAGGTTAACTGTATCATTTCCCTATACTGTTATAGGAGATCCGAGTGGGA  
CTACTGTTTTTCTGCAGGAGAGTTAACATTAAAAATCTTGACAATTCT  
ATTGCAGCTTTGCCTTTAAGTTGTTTTGGGAACATTATTAGGGAGTTTTAC  
TGTTTTAGGGAGAGGACACTCGTTGACTTTGAGAACATACGGACTTCTA  
CAAATGGGGCAGCTCTAAGTAATACCGCTGCTGATGGACTGTTTACTATT  
GAGGGTTTTAAAGAATTATCCTTTTCCAATTGCAATTCATTACTTGCCGT  
ACTGCCTGCTGCAACGACTAATAAGGGTAGCCAGACTCCGACGACAACAT  
CTACACCGTCTAATGGTACTATTTATTCTAAAACAGATCTTTTGTTACTC  
AATAATGAGAAGTTCTCATTCTATAGTAATTTAGTCTCTGGAGATGGGGG  
AGCTATAGATGCTAAGAGCTTAACGGTTCAAGGAATTAGCAAGCTTTGTG  
TCTTCCAAGAAAATACTGCTCAAGCTGATGGGGGAGCTTGTCAGTAGTC  
ACCAGTTTCTCTGCTATGGCTAACGAGGCTCTATTGCCTTTGTAGCGAA  
TGTTGCAGGAGTAAGAGGGGGAGGGATTGCTGCTGTTCAAGATGGGCAGC  
AGGGAGTGTCATCATCTACTTCAACAGAAGATCCAGTAGTAAGTTTTTCC  
AGAAATACTCCGGTAGAGTTTGATGGGAACGTAGCCCGAGTAGGAGGAGG  
GATTTACTCCTACGGGAACGTTGCTTTCCTGAATAATGGAAAACCTTGT  
TTCTCAACAATGTTGCTTCTCCTGTTTACATTGCTGCTAAGCAACCAACA  
AGTGGACAGGCTTCTAATACGAGTAATAATTACGGAGATGGAGGAGCTAT  
CTTCTGTAAGAATGGTGGCAAGCAGGATCCAATAACTCTGGATCAGTTT  
CCTTTGATGGAGAGGGAGTAGTTTTCTTTACTAGCAATGTAGCTGCTGGG  
AAAGGGGGAGCTATTTATGCCAAAAGCTCTCGGTTGCTAACTGTGGCCC  
TGTACAATTTTTAAGGAATATCGCTAATGATGGTGGAGCGATTTATTTAG  
GAGAATCTGGAGAGCTCAGTTTATCTGCTGATTATGGAGATATTATTTTC

FIG. 2A

GATGGAATCTTAAAAGAACAGCCAAAGAGAATGCTGCCGATGTTAATGG  
CGTAACGTGTCTCACAAGCCATTTTCGATGGGATCGGGAGGAAAATAA  
CGACATTAAGAGCTAAGCAGGGCATCAGATTCTCTTTAATGATCCCATC  
GAGATGGCAAACGGAAATAACCAGCCAGCGCAGTCTTCCAACTTCTAAA  
AATTAACGATGGTGAAGGATACACAGGGGATATTGTTTTGCTAATGGAA  
GCAGTACTTTGTACCAAATGTTACGATAGAGCAAGGAAGGATTGTTCTT  
CGTAAAAGGCAAAATTATCAGTGAATTCTCTAAGTCAGACAGGTGGGAG  
TCTGTATATGGAAGCTGGGAGTACATGGGATTTTGTAACTCCACAACCAC  
CACAAACAGCCTCTGCCGCTAATCAGTTGATCAGCCTTCCAATCTGCAT  
TTGTCTCTTTCTTTCTTTGTTAGCAAACAATGCAGTTACGAATCCTCTAC  
CAATCCTCCAGCGCAAGATTCTCATCCTGCAGTCATTGGTAGCACAACCTG  
CTGGTTCTGTTACAATTAGTGGGCTATCTTTTTGAGGATTTGGATGAT  
ACAGCTTATGATAGGTATGATTGGCTAGGTTCTAATCAAAAAATCAATGT  
CCTGAAATTACAGTTAGGACTAAGCCCCCAGCTAATGCCCCATCAGATT  
TGAATCTAGGGAATGAGATGCCAAGTATGGCTATCAAGGAAGCTGGAAG  
CTTGCGTGGGATCCTAATACAGCAAATAATGGTCCTTATACTCTGAAAGC  
TACATGGACTAAAACGGGTATAATCCTGGGCTGAGCGAGTAGCTTCTT  
TGGTTCCAAATAGTTTATGGGGATCCATTTTAGATATACGATCTGCCCAT  
TCACCAATTCAAGCAAGTGTGGATGGCGCTCTTATTGTGAGGATTATG  
GGTTTCTGGAGTTTCAATTTCTTCTATCATGACCGGATGCTTTAGGTC  
AGGGATATCGGTATATTAGTGGGGTTATTCTTAGGAGCAAACCTCTAC  
TTTGATCATCGATGTTTGGTCTAGCATTTACCGAAGTATTTGGTAGATC  
TAAAGATTATGTAGTGTGTCGTTCCAATCATCATGCTTGCATAGGATCCG  
TTTATCTATCTACCCAACAAGCTTTATGTGGATCCTATTTGTTCCGAGAT  
GCGTTTATCCGTGCTAGCTACGGTTTGGGAATCAGCATATGAAAACCTC  
ATATACATTTGCAGAGGAGAGCGATGTTGCTGGGATAATAACTGTCTGG  
CTGGAGAGATTGGAGCGGGATTACCGATTGTGATTACTCCATCTAAGCTC  
TATTTGAATGAGTTGCGTCCTTTCTGTGCAAGCTGAGTTTTCTTATGCCGA  
TCATGAATCTTTTACAGAGGAAGCGATCAAGCTCGGGCATTCAAGAGCG  
GACATCTCCTAAATCTATCAGTTCTGTTGGAGTGAAGTTTGATCGATGT  
TCTAGTACACATCCTAATAAATATAGCTTTATGGCGGCTTATATCTGTGA  
TGCTTATCGCACCATCTCTGGTACTGAGACAACGCTCCTATCCCATCAAG  
AGACATGGACAACAGATGCCTTTTCAATTTAGCAAGACATGGAGTTGTGGTT  
AGAGGATCTATGTATGCTTCTCTAACAAGTAATATAGAAGTATATGGCCA  
TGAAGATATGAGTATCGAGATGCTTCTCGAGGCTATGGTTTGAGTGCAG

FIG. 2B

GAAGTAGAGTCCGGTTCTAAAAATATTGGTTAGATAGTTAAGTGTTAGCG  
ATGCCTTTTTCTTTGAGATCTACATCATTTTGTGTTTTAGCTTGTTGTG  
TTCCTATTGATGATTGCGGAGCTCTCCTCAAGTGTTAACGCCTAATG  
TAACCACTCCTTTTAAGGGAGACGATGTTTACTTGAATGGAGACTGCGCT  
TTTGTCAATGTCTATGCAGGAGCTGAAGAAGGTTGATTATCTCAGCTAA  
TGGCGACAATTTAACGATTACCGGACAAAACCATAATTATCATTTACAG  
ATTCTCAAGGGCCAGTTCTTCAAAATTATGCCCTTCATTTACGAGGAGAG  
ACACTTACTCTGAGAGATTTTTCGAGTCTGATGTTCTCGAAAAATGTTTC  
TTGCGGAGAAAAGGAATGATCTCCGGGAAAACCGTGAGTATTTCCGGAG  
CAGGCGAAGTGATTTTCTGGGATAACTCCGTGGGGTATTCTCCTTTATCT  
ACTGTGCCAACCTCATCATCAACTCCGCCTGCTCCAACAGTTAGTGATGC  
TCGGAAAGGGTCTATTTTTTCTGTAGAGACTAGTTTGAGATCTCAGGCG  
TCAAAAAGGGGTCATGTTGATAATAATGCCGGAATTTCGGAACAGTT  
TTTCGAGGTAAGAATAATAATAATGCTGGTGGTGGAGGCAGTGGGTCCG  
CTACACCATCAAGTACGACTTTTACAGTTAAAACTGTAAAGGGAAGTT  
TCTTTCACAGATAACGTAGCCTCTTGCGGAGCGGAGTGTTTATAAAGG  
CATTGTGCTTTTCAAAGACAATGAAGGAGGCATATTCTTCCGAGGGAACA  
CAGCATACGATGATTTAAGGATTCTTGCTGCTACTAATCAGGATCAGAAT  
ACGGAGACAGGAGGCGGTGGAGGAGTTATTTGCTCTCCAGATGATTCTGT  
AAAGTTTGAAGGCAATAAAGGTTCTATTGTTTTTGATTACAACTTTGCAA  
AAGGCAGAGCGGGAAGCATCCTAACGAAAGAATTC

FIG. 2C

MQTSFHKFFLSMILAYSCCSLNGGGYAAEIMVPQGIYDGETLTVSFPYTV  
IGDPSGTTVF SAGELTLKNL DNSIAALPLSCFGNLLGSFTVLGRGHSLTF  
ENIRTS TNGAALSNSAADGLFTIEGFKELSF SNCNSLLAVLPAATTNKGS  
QTPTTTSTPSNGTIYSKTDLLLLNNEKFSFYSNLVSGDGGAI DAKSLTVQ  
GISKLCVFQENTAQAADGGACQVTSFSAMANEAPIAFVANVAGVRGGGIA  
AVQDGGQGVSSSTSTEDPVVSFSRNTAVEFDGNVARVGGG IYSYGNVAF L  
NNGKTLFLNNVASPVYIAAKQPTSGQASNTSNNYGDGGAI FCKNGAQAGS  
NNSGSVSFDGEGVFFFSSNVAAGKGGAIYAKKLSVANC GPVQFLRNIAND  
GGAIYLGESGELSLSADYGDIFDGNLKRTAKENAADVNGVTVSSQAISM  
GSGGKITTLRAKAGHQILFNDPIEMANGNNQPAQSSKLLKINDGEGYTG D  
IVFANGSSTLYQNVTIEQGRIVLREKAKLSVNSLSQTGGSLYMEAGSTWD  
FVTPQPQPQPPAANQLITLSNLHLSSLLANNAVTPPTNPPAQDHPA  
VIGSTTAGSVTISGP IFFEDLDDTAYDRYDWLGSNQKINVLKLQLG TKPP  
ANAPSDLTLGNEMPKYGYQGSWKLAWDPNTANNGPYTLKATWTKTGYNPG  
PERVASLVPNSLWGSILDIRSAHSAIQASVDGRSYCRGLWVSGVSNFFYH  
DRDALGQGYRYISGGYSLGANSYFGSSMFGLAFTVFGRSKDYVVCRSNH  
HACIGSVYLS TQQALCGSYLFGDAFIRASYGFGNQHMKTSYTF AEESDVR  
WDNNCLAGEIGAGLP I VITPSKLYLNELRPFVQAEFSYADHESFTEEGDQ  
ARAFKSGHLLNLSVPVG VKFDRCSSSTHPNKYSFMAAYICDAYRTISGTET  
TLLSHQETWTTDAFHLARHG VVVRGSMYASLTSNIEVYGHGRYEYRDASR  
GYGLSAGSRVRF

FIG.3

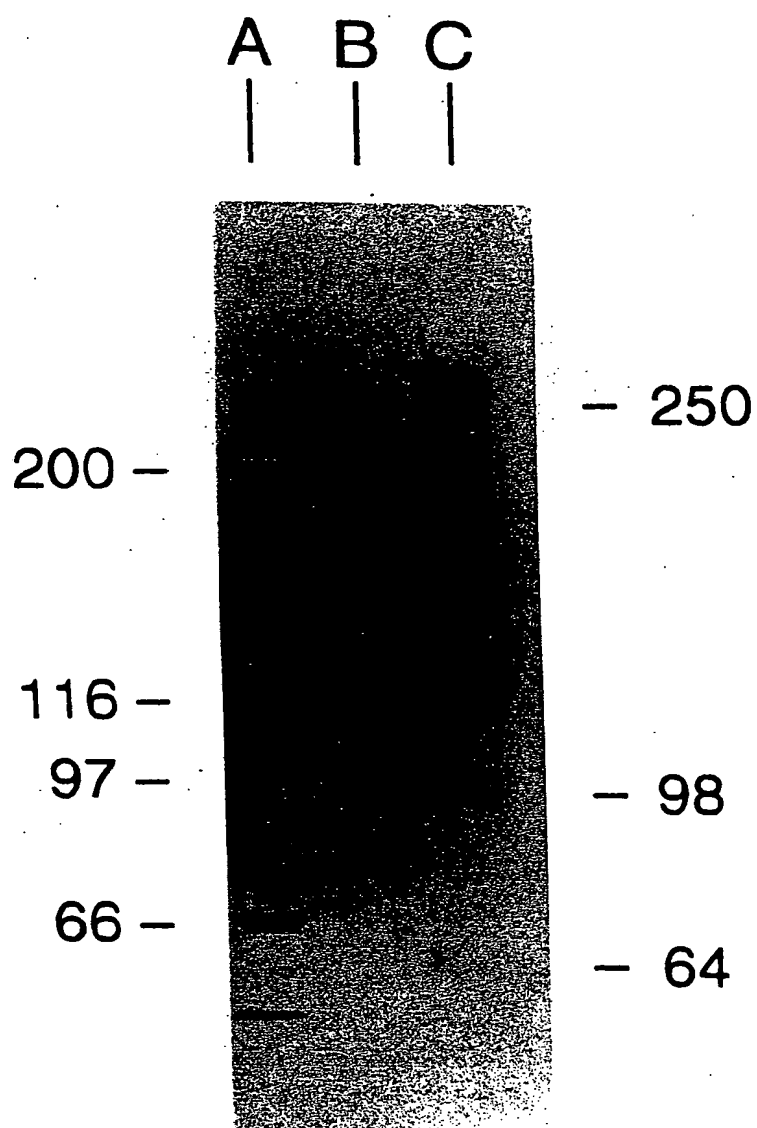


FIG.4

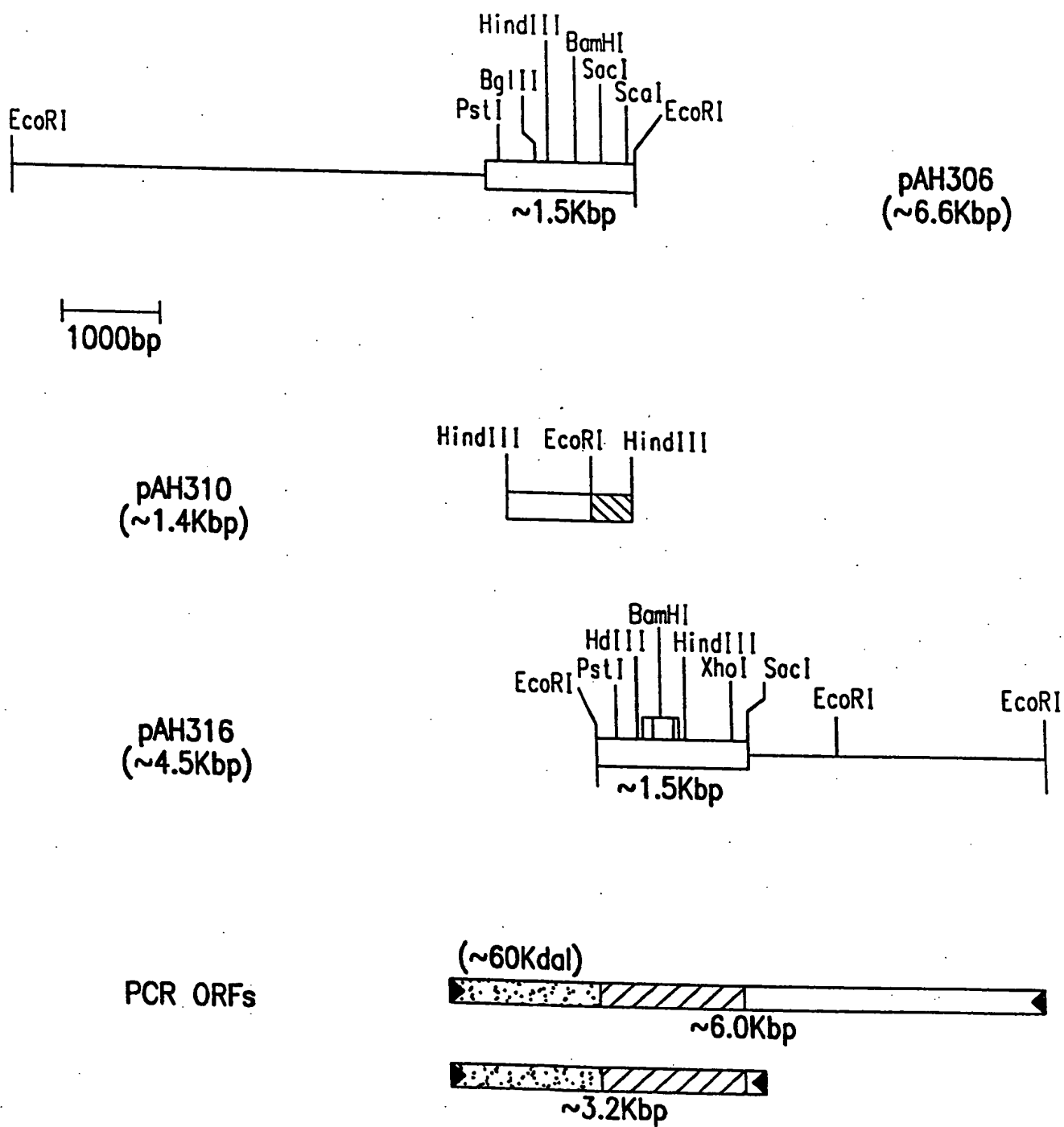


FIG.5



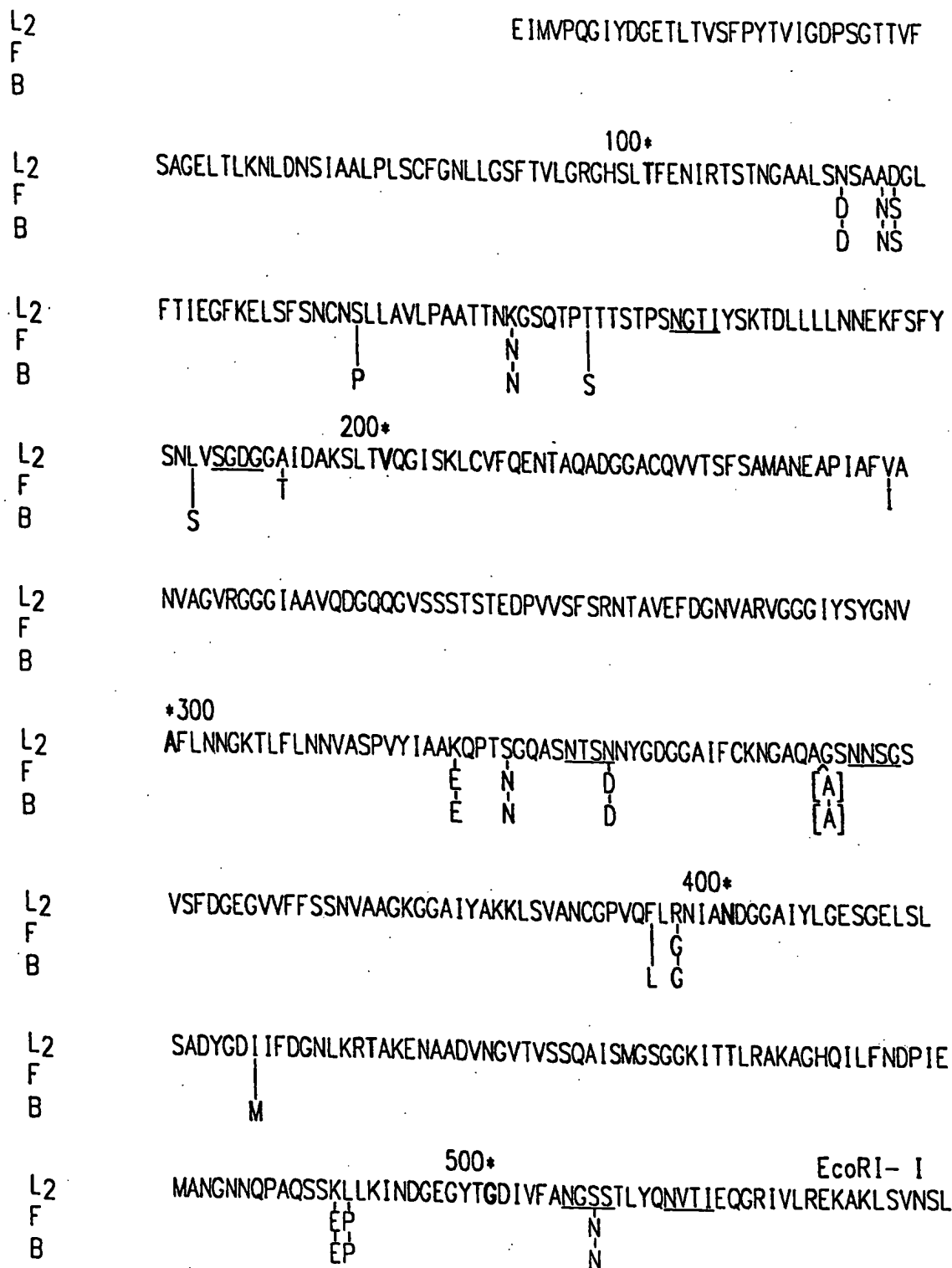


FIG. 6A

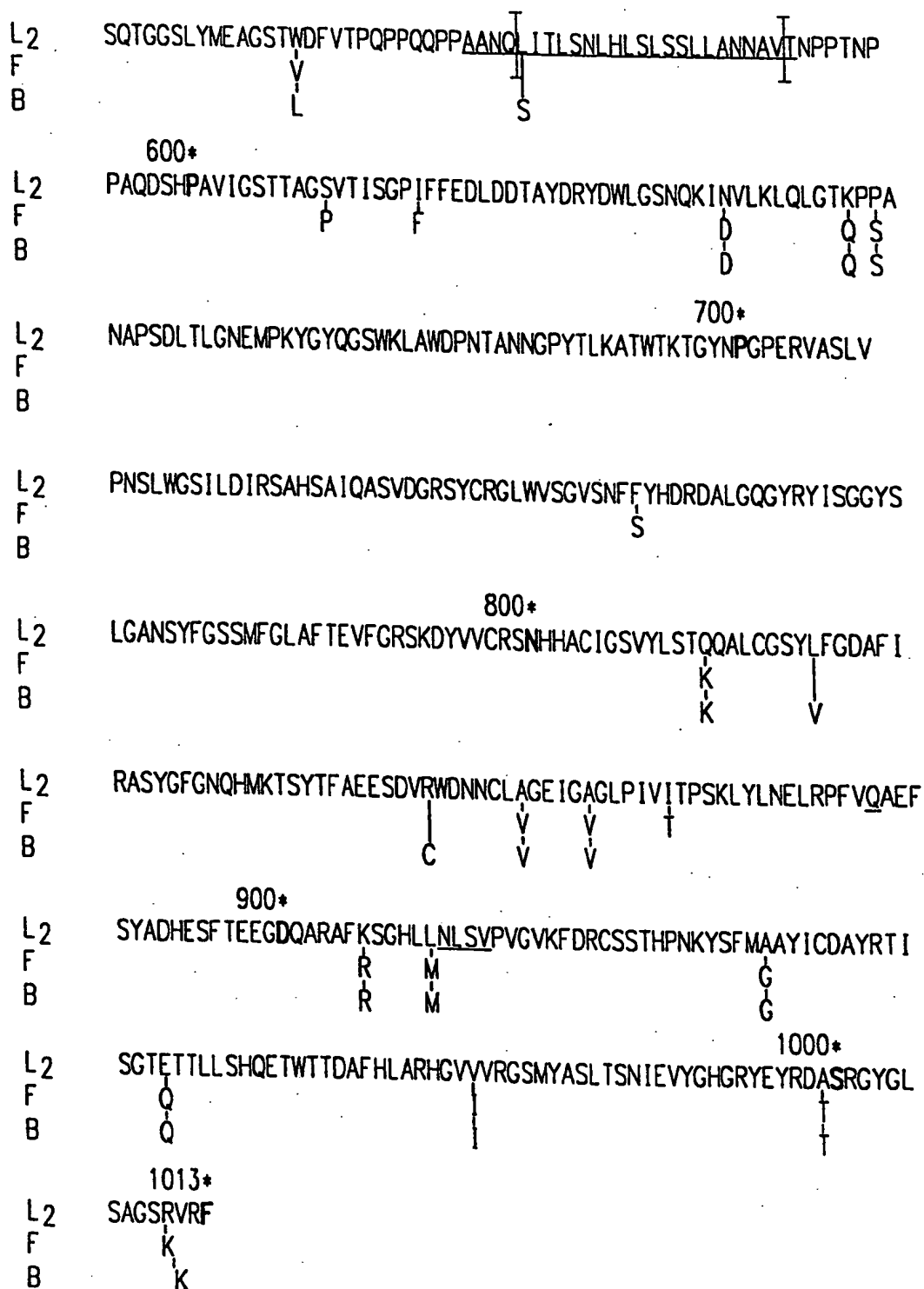


FIG. 6B

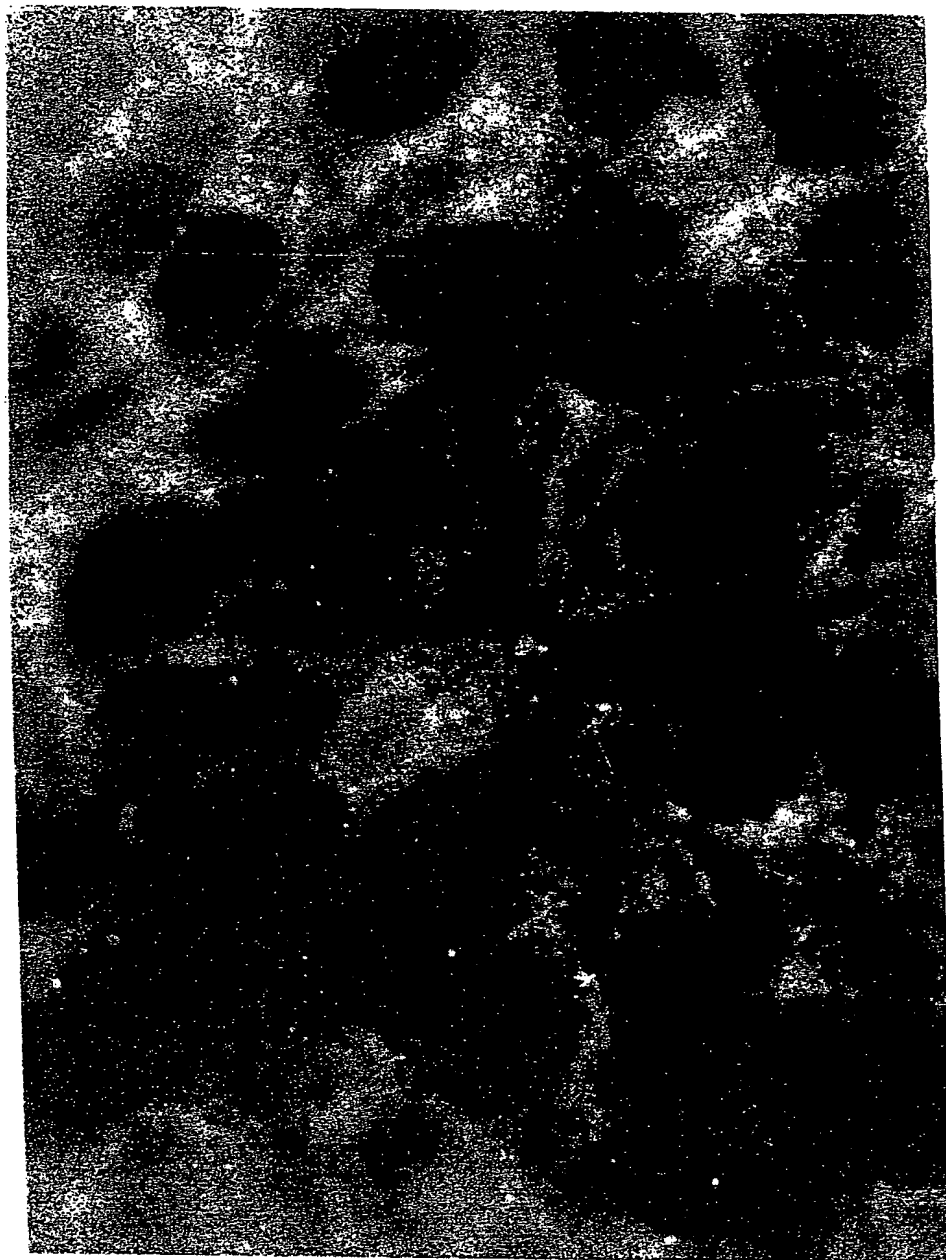


FIG.7A

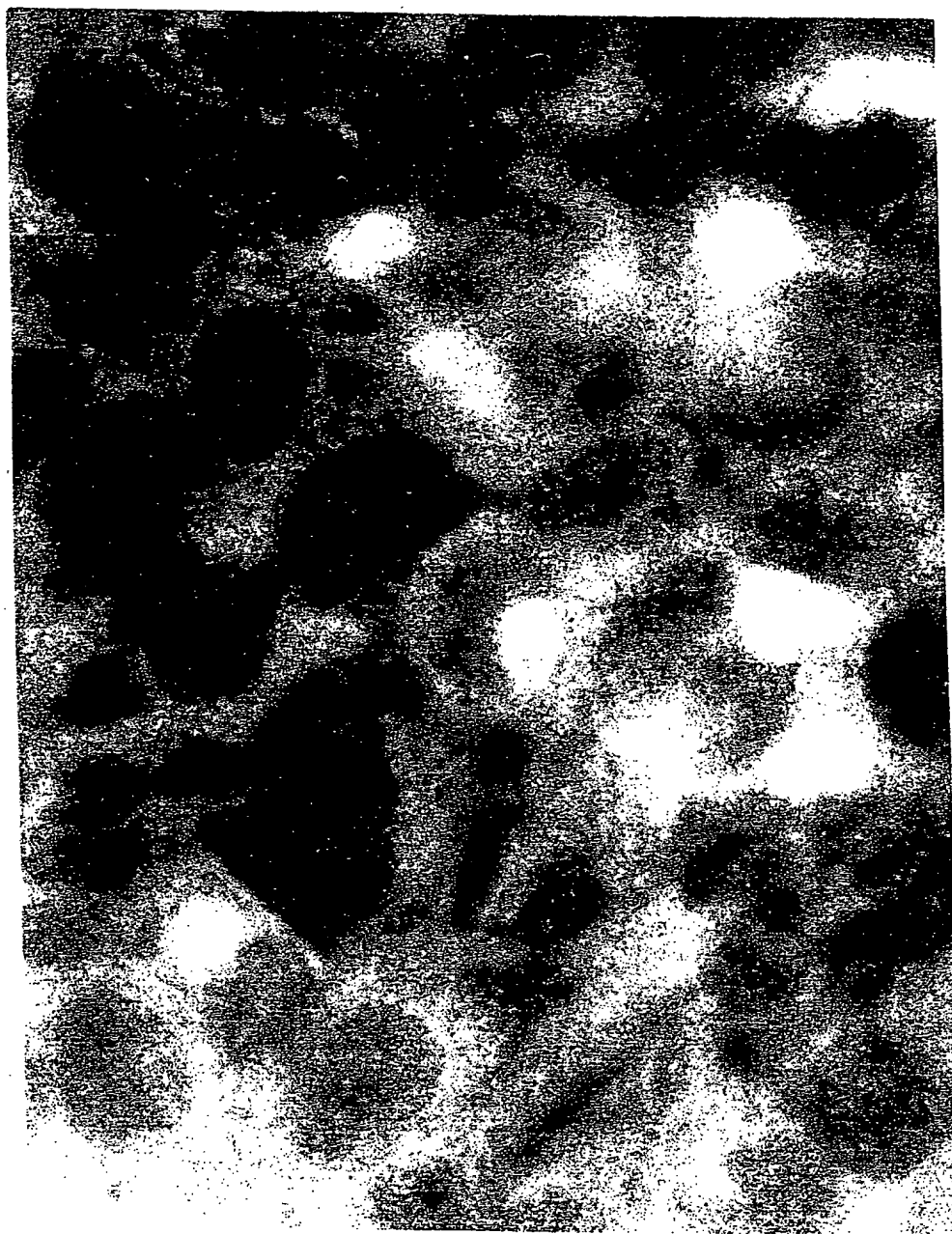


FIG.7B